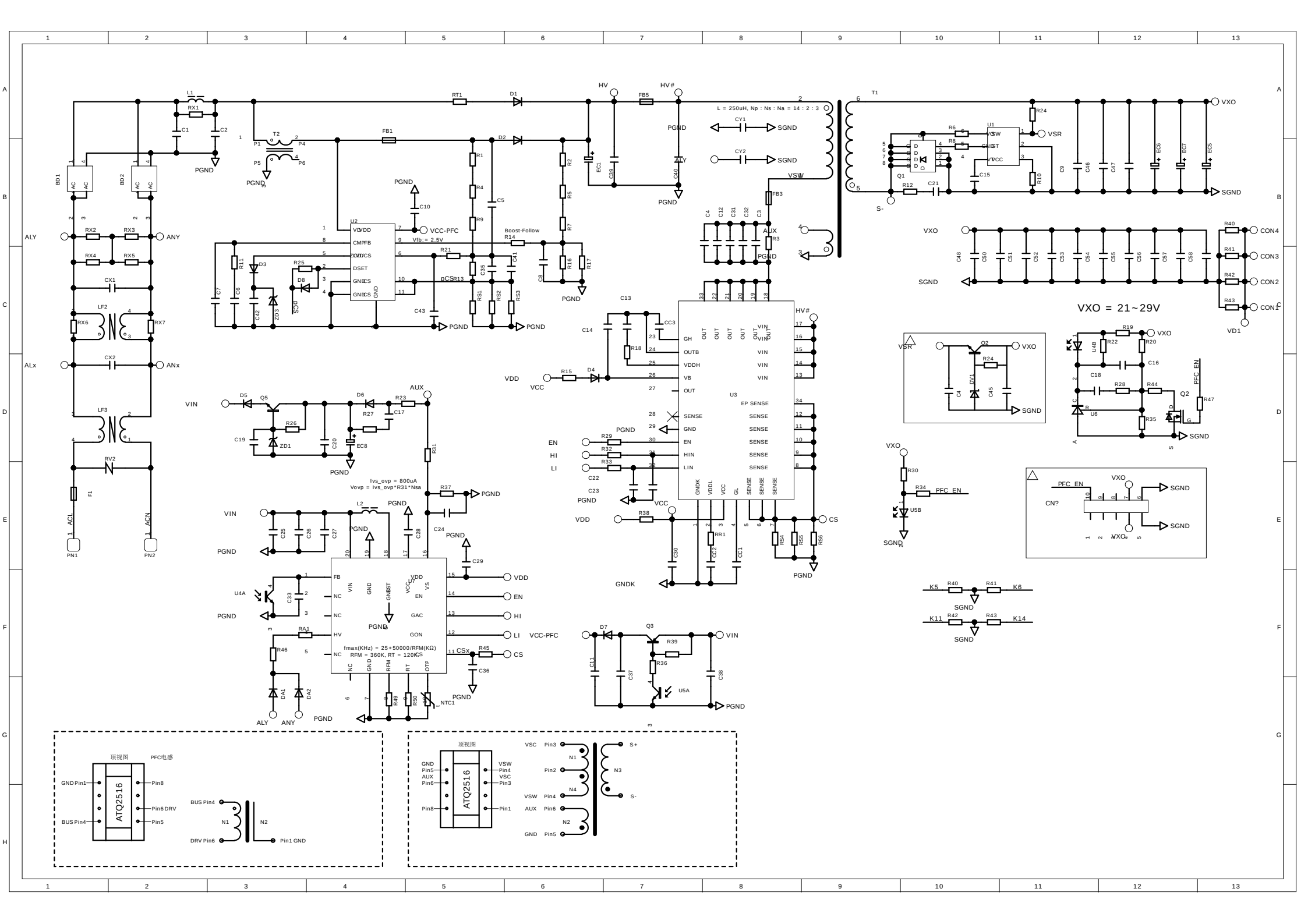
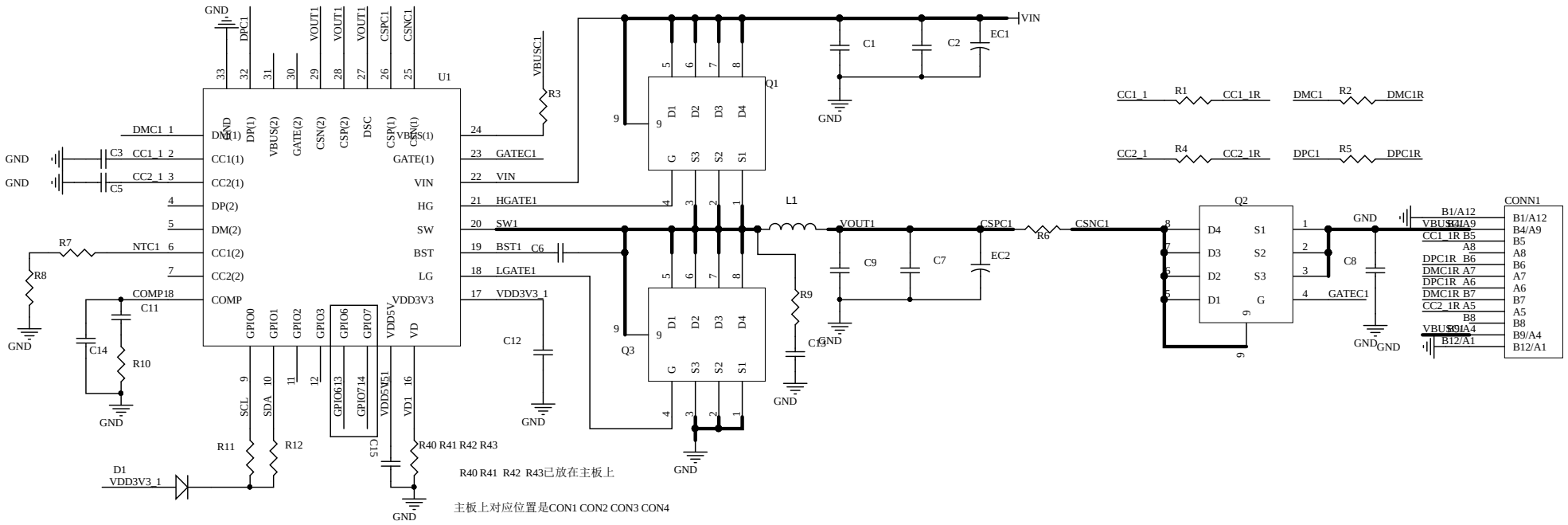
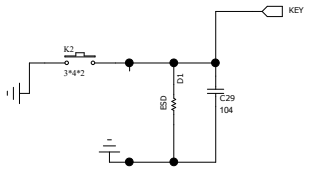

L = 250uH, Np : Ns : Na = 14 : 2 : 3
VXO = 21~29V
Vvs_ovp = 800uA
Vovp = Ivs_ovp*R31*Nsa
fmax(KHz) = 25+50000/RFM(KΩ)
RFM = 360K, RT = 120K
ATQ2516
PFC_EN
VSR
SGND
PGND
VCC-PFC
Boost-Follow
ALY
ANY
ALx
ANx
ACL
ACN
VIN
AUX
HV
HV#
VDD
VCC
EN
HI
LI
CS
CSx
GNDK

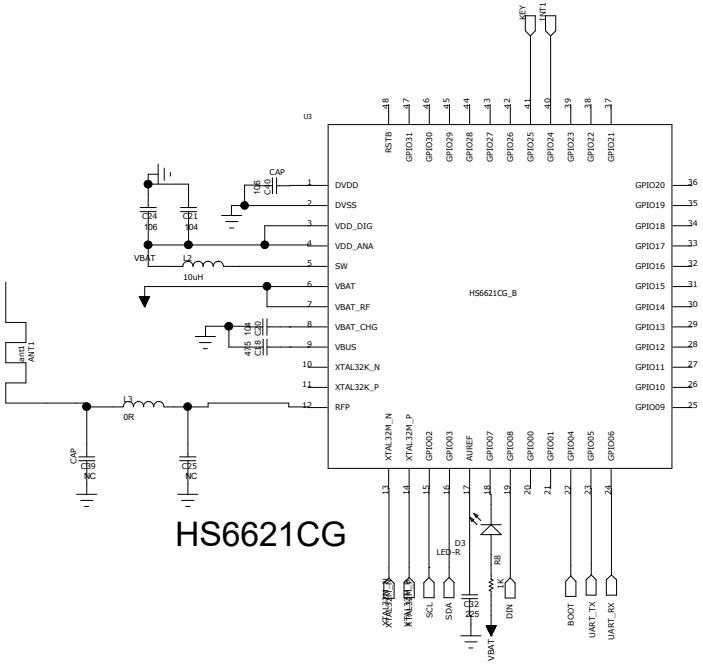

U1
GND
DPC1
VOUT1
VOUT1
VOUT1
CSPC1
CSNC1
VBUSC1
R3
DMC1 1
CC1_1 2
CC2_1 3
4
5
6
7
COMP 18
DM(1)
DP(1)
VBUS(2)
GATE(2)
CSN(2)
CSP(2)
DSC
CSP(1)
CSN(1)
VBUS(1)
CC1(1)
CC2(1)
DP(2)
DM(2)
CC1(2)
CC2(2)
COMP
GATE(1)
VIN
HG
SW
BST
LG
VDD3V3
24
23 GATEC1
22 VIN
21 HGATE1
20 SW1
19 BST1
18 LGATE1
17 VDD3V3_1
C3
C5
R7
R8
NTC1
C11
C14
R10
C6
C12
R9
C13
L1
VOUT1
C9
C7
EC2
CSPC1
R6
CSNC1
C1
C2
EC1
VIN
Q1
Q3
D1 D2 D3 D4
G S3 S2 S1
CC1_1 R1 CC1_1R
CC2_1 R4 CC2_1R
DMC1 R2 DMC1R
DPC1 R5 DPC1R
Q2
D4 S1
D3 S2
D2 S3
D1 G
C8
GATEC1
CONN1
B1/A12
B4/A9
B5
A8
B6
A7
A6
B7
A5
B8
B9/A4
B12/A1
DPC1R
DMC1R
CC1_1R
CC2_1R
GPIO0
GPIO1
GPIO2
GPIO3
GPIO6
GPIO7
VDD5V
VD
SCL
SDA
R11
R12
C15
R40 R41 R42 R43
D1
VDD3V3_1
R40 R41 R42 R43已放在主板上
主板上对应位置是CON1 CON2 CON3 CON4

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

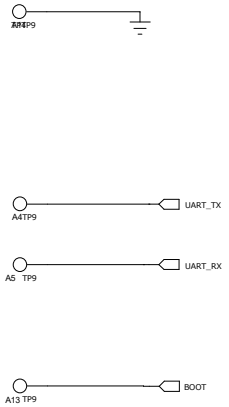
BUTTONS



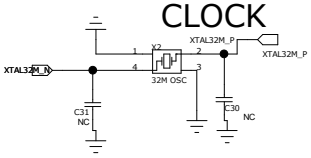
HS6621CG



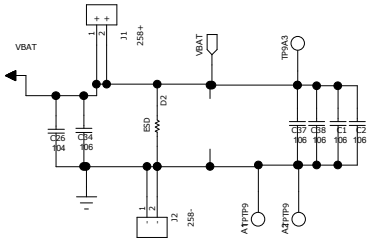
JLINK&UART



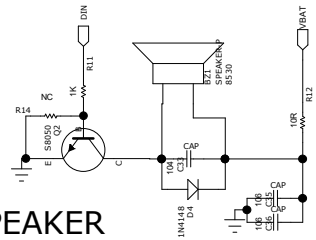
CLOCK



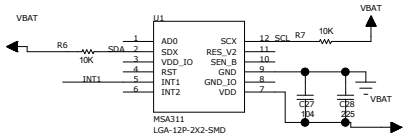
BATTERY



SPEAKER



G-SENSOR



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RELEASED:	DATED:	SCALE:	SHEET: 1 OF 1		